THE ASTROPHYSICAL JOURNAL LETTERS

CONTENTS OF VOLUME 401 , PART 2

1992 DECEMBER 10, Number 1

	ruge	T. SCASE
AN INHOMOGENEOUS SLAB COSMOLOGY Kayll Lake	LI	227-A7
ARE CLUSTER ELLIPTICALS THE PRODUCTS OF MERGERS? Gary A. Mamon	L3	227-A10
THE CEPHEID DISTANCE TO IC 4182: CALIBRATION OF M_V (max) FOR SN Ia 1937C AND THE VALUE OF H_0 Allan Sandage, A. Saha, G. A. Tammann, Nino Panagia, & D. Macchetto	L7	227-B1
BROAD BAND X-RAY TELESCOPE OBSERVATIONS OF NGC 4151: IRON LINE DIAGNOSTICS K. A. Weaver, R. F. Mushotzky, K. A. Arnaud, P. J. Serlemitsos, F. E. Marshall, R. Petre, K. M. Jahoda, E. A. Boldt, S. S. Holt, J. Swank, A. E. Szymkowiak, R. Kelley, A. P. Smale, & C. Done	L11	227-B9
THE RADIO COUNTERPART OF THE HARD X-RAY SOURCE GRS 1758 – 258 L. F. Rodríguez, I. F. Mirabel, & J. Martí	L15	227-C1
POSSIBLE FIRST DETECTION OF ULTRAVIOLET PULSES FROM AN INTERMEDIATE POLAR: V603 AQUILA A. Schwarzenberg-Czerny, A. Udalski, & R. Monier	L19	227-C7
SAS 2 OBSERVATION OF PULSED HIGH-ENERGY GAMMA RADIATION FROM GEMINGA J. R. Mattox, D. L. Bertsch, C. E. Fichtel, R. C. Hartman, D. A. Kniffen, & D. J. Thompson	L23	227-D1
RADIATION FROM A RELATIVISTIC MAGNETIZED STAR V. Belinsky & R. Ruffini	L27	227-D7
A BINARY ORIGIN FOR FU ORIONIS STARS Ian Bonnell & Pierre Bastien	L31	227-E1
PYCNONUCLEAR REACTION RATES FOR BINARY IONIC MIXTURES S. Ichimaru, S. Ogata, & H. M. Van Horn	L35	227-E7
VLBI OBSERVATIONS OF THE 6.7 GHz METHANOL MASERS TOWARD W3(OH) K. M. Menten, M. J. Reid, P. Pratap, J. M. Moran, & T. L. Wilson	L39	227-F1
CO IN THE COMETARY GLOBULES OF THE HELIX NEBULA P. J. Huggins, R. Bachiller, P. Cox, & T. Forveille	L43	227-F7
ERRATUM		
Discovery of Hot Ammonia in the Proto-Planetary Nebulae CRL 618 and CRL 2688 J. Martín-Pintado & R. Bachiller	L47	227-G1
INSTRUCTIONS TO AUTHORS OF LETTERS, RECENT LETTERS ABSTRACTS, AUTHOR AND SUBJECT INDEXES	Inside	Back Cover

1992 DECEMBER 20, Number 2

	Page	Fiche
THE GRAVITATIONAL WAVE CONTRIBUTION TO COSMIC MICROWAVE BACKGROUND ANISOTROPIES AND THE AMPLITUDE OF MASS FLUCTUATIONS FROM COBE RESULTS Francesco Lucchin, Sabino Matarrese, & Silvia Mollerach	L49	232-E4

CONTENTS

	Puge	riche
IS THERE A PANCAKE AT $z = 3.4$? Douglas Scott	L53	232-E10
POSSIBILITY OF UNIQUE DETECTION OF PRIMORDIAL BLACK HOLE GAMMA-RAY BURSTS David & Cline & Woopyo Hong	L57	232-F3
DETECTION OF HIGH-ENERGY GAMMA-RAY EMISSION FROM THE BL LACERTAE OBJECT MARKARIAN 421 BY THE EGRET TELESCOPE ON THE COMPTON OBSERVATORY Y. C. Lin, D. L. Bertsch, J. Chiang, C. E. Fichtel, R. C. Hartman, S. D. Hunter, G. Kanbach, D. A. Kniffen, P. W. Kwok, J. R. Mattox, H. A. Mayer-Hasselwander, P. F. Michelson, C. von Montigny, P. L. Nolan, K. Pinkau, E. Schneid, P. Sreekumar, & D. J. Thompson	L61	232-F9
THE BL LACERTAE OBJECT 1E 1415.6+2557: HOST GALAXY, POSSIBLE OPTICAL JET, AND ENVIRONMENT $W.\ Romanishin$	L65	232-G1
HUBBLE SPACE TELESCOPE IMAGING OF DISTANT GALAXIES: 4C 41.17 AT $z=3.8$ G. K. Miley, K. C. Chambers, W. J. M. van Breugel, & F. Macchetto	L69	232-G10
12 AND 20 MICRON IMAGING OF THE STARBURST GALAXY NGC 253 R. K. Piña, B. Jones, R. C. Puetter, & W. A. Stein	L75	233-A5
THE EXTERNAL ORIGIN OF THE GAS IN SO GALAXIES F. Bertola, L. M. Buson, & W. W. Zeilinger	L79	233-A12
THE ULTRAVIOLET COLOR GRADIENT IN THE LATE-TYPE SPIRAL GALAXY M33 Wayne B. Landsman, Morton S. Roberts, Ralph C. Bohlin, Robert W. O'Connell, Andrew M. Smith, & Theodore P. Stecher	L83	233-B3
THE CONTINUUM FLUX FROM SAGITTARIUS A* AT 222 GHz E. Serabyn, J. E. Carlstrom, & N. Z. Scoville	L87	233-B11
STRANGE QUARK CONTRIBUTIONS TO THE NUCLEON AND NEUTRINO NUCLEOSYNTHESIS E. Kolbe, K. Langanke, S. Krewald, & F. K. Thielemann	L89	233-C1
A NOVEL MECHANISM FOR CREATING DOUBLE PULSARS Steinn Sigurdsson & Lars Hernquist	L93	233-C7
PERIODIC PHOTOMETRIC VARIABILITY OF THE BLACK HOLE BINARY V404 CYGNI R. Mark Wagner, T. J. Kreidl, S. B. Howell, & S. G. Starrfield	L97	233-C13
ANOTHER NEON NOVA: EARLY INFRARED PHOTOMETRY AND SPECTROSCOPY OF NOVA CYGNI 1992 T. L. Hayward, R. D. Gehrz, J. W. Miles, & J. R. Houck	L101	233-D5
EVIDENCE FOR A BIPOLAR NEBULA AROUND THE PECULIAR B[e] STAR HD 45677 FROM ULTRAVIOLET SPECTROPOLARIMETRY R. E. Schulte-Ladbeck, D. S. Sheperd, K. H. Nordsieck, A. D. Code, C. M. Anderson, B. L. Babler, K. S. Bjorkman, G. C. Clayton, A. M. Magalhães, M. R. Meade, M. Taylor, & B. A. Whitney	L105	233-D12
HIGH-EXCITATION ²⁹ SiO AND ³⁰ SiO MASER EMISSION J. Cernicharo & V. Bujarrabal	L109	233-E5
THE ENVIRONMENTS OF YOUNG STARS: MID-INFRARED AND MOLECULAR LINE IMAGING Eric Keto, Deanne Proctor, Roger Ball, John Arens, & Garrett Jernigan	L113	233-E11
INSTRUCTIONS TO AUTHORS OF LETTERS, RECENT LETTERS ABSTRACTS, AUTHOR AND SUBJECT INDEXES	Inside I	Back Cover

